12/20

Energy Varquez Merendez

Polynomial Operations EXAM (version 117)

1. Let polynomials p(x) and q(x) be defined below.

$$p(x) = 6x^5 + 7x^4 + 4x^3 - 2x + 1$$

 $q(x) = -x^5 + 6x^4 - 3x^2 - 6x + 2$

Express the sum of p(x) + q(x) in standard form.

2. Let pulynomials u(x) and f(x) be defined below.

$$a(x) = 3x^3 - 4x - 6$$

$$b(x) = 7x + 3$$

Express the product $a(x) \cdot b(x)$ in standard form.

3. Express $(x+1)^3$ in standard (expanded) form